

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF A NEW TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 140 (REISTERSTOWN ROAD) AND I-695 IN BALTIMORE COUNTY. MD 140 IS ASSUMED TO RUN IN A EAST / WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION IS TO OPERATE IN A NEMA 6 PHASE MODE. EACH OF THE RAMPS FROM I-695 WILL HAVE ITS OWN PHASE. BOTH LEFT TURNS FROM MD 140 WILL RUN CONCURRENTLY FOLLOWED BY MD 140 EAST ONLY OR WEST ONLY. NEXT, THE THROUGH MOVEMENTS ON MD 140 WILL RUN CONCURRENTLY.

EQUIPMENT LIST

A. Equipment to be supplied by the Administration and installed by the Contractor.

Item #	Spec #	Item	units	10	Total
900000	900	Sheet aluminum sign to consist of:	SF	66	66
		R3-5(L) "LEFT ONLY" SIGN 30"x36" - SPAN MOUNTED	EA	4	4
		R3-1 "NO RIGHT TURN" SIGN 36"x36" - BANDED TO POLE MOUNTED	EA	2	2
		R5-1 "DO NOT ENTER" SIGN 36"x36" - BANDED TO POLE MOUNTED	EA	2	2

B. Equipment to be furnished and installed by the Contractor.

Item #	Spec #	Item	units	10	Total
801004	814	Furnish and install concrete for signal foundation	CY	16	16
805135	805	Furnish and install 3" schedule 80 rigid PVC conduit-trenched	LF	675	675
805150	805	Furnish and install 3" schedule 80 rigid PVC conduit-slotted	LF	270	270
802501	810	Furnish and install no. 6 awg stranded bare copper ground wire	LF	1205	1205
861107	810	Furnish and install electrical cable - 5 conductor (no. 14 awg)	LF	2330	2330
837001	804	Furnish and install ground rod - 3/4 inch diameter X 10 foot length	EA	16	16
811001	811	Furnish and install electrical handhole	EA	12	12
861106	810	Furnish and install electric cable 3 conductor/no. 14 awg	LF	2590	2590
800000	800	Furnish and install video detection type TC system with cameras	EA	4	4
800000	800	Furnish and install coaxial cable	LF	2590	2590
800000	800	Furnish and install PTZ camera assembly	EA	1	1
813015	813	Install overhead sign	SF	66	66
800000	800	Furnish and install 12" vehicular traffic signal head section	EA	48	48
800000	800	Furnish and install 24" thermoplastic pavement marking for stop line	LF	100	100

C. Equipment to be removed and salvaged by the Contractor.

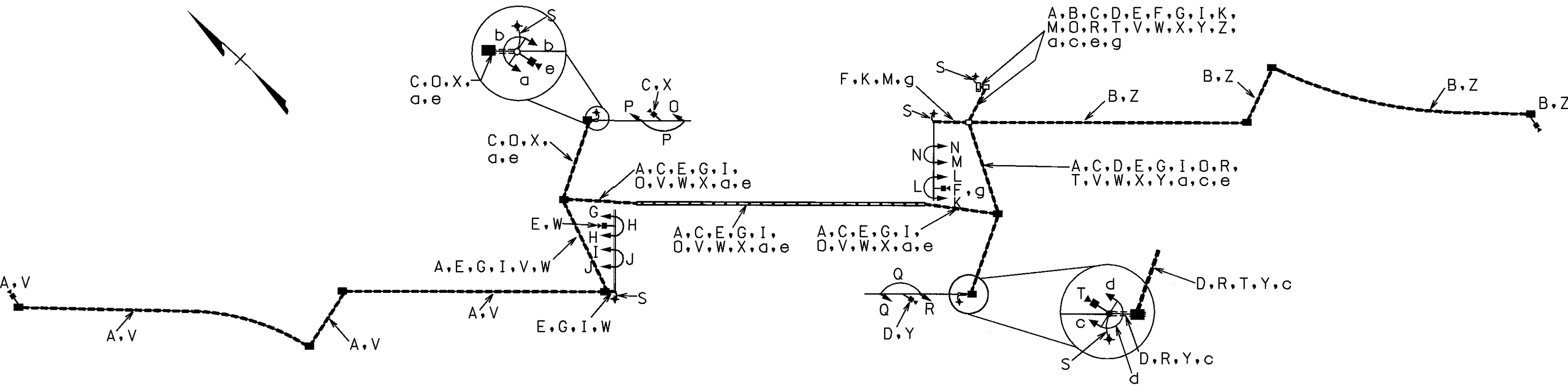
Equipment to be delivered to Mr. Dave Schwartz at OOTS, 7491 Connelley Drive, Hanover, MD, 21076. (Notify at least 72 hours of intended delivery at (419) 787-7658)

Item #	Spec #	Item	units	10	Total
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PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	
PHASE 1 AND 5	←	←	R	R	←	←	R	R	R	R	R	R	R	R	R	R	
1 AND 5 CHANGE	←	←	R	R	←	←	R	R	R	R	R	R	R	R	R	R	
PHASE 1 AND 6	←	←	G	G	←	←	R	R	R	R	R	R	R	R	R	R	
1 AND 6 CHANGE	←	←	Y	Y	←	←	R	R	R	R	R	R	R	R	R	R	
PHASE 2 AND 5	←	←	R	R	←	←	G	G	R	R	R	R	R	R	R	R	
2 AND 5 CHANGE	←	←	R	R	←	←	Y	Y	R	R	R	R	R	R	R	R	
PHASE 2 AND 6	←	←	G	G	←	←	G	G	R	R	R	R	R	R	R	R	
2 AND 6 CHANGE	←	←	Y	Y	←	←	Y	Y	R	R	R	R	R	R	R	R	
PHASE 4	←	←	R	R	←	←	R	R	R	R	R	R	G	G	G	G	
PHASE 4 CHANGE	←	←	R	R	←	←	R	R	R	R	R	R	Y	Y	Y	Y	
PHASE 8	←	←	R	R	←	←	R	R	G	G	G	G	R	R	R	R	
PHASE 8 CHANGE	←	←	R	R	←	←	R	R	Y	Y	Y	Y	R	R	R	R	
FLASHING OPERATION	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	

WIRING DIAGRAM



WIRING KEY

COAXIAL CABLE FOR VIDEO DETECTION
CABLE FOR SURVEILLANCE CAMERA
5 CONDUCTOR CABLE (NO. 14 AWG)
GROUND ROD

1 CONDUCTOR BARE COPPER GROUND WIRE (NO. 6 AWG)
CABLE FOR SURVEILLANCE CAMERA
3 CONDUCTOR CABLE (NO. 14 AWG)
GROUND ROD

STAGE 10
(ULTIMATE DESIGN)

DWG NO. SS-23



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN
MD 140 (REISTERSTOWN ROAD)
AND I-695

TRANSCORE

6850 Versar Center, Suite 350
Springfield Virginia 22151
Phone: 703-658-4088

DRAWN BY: J. JONES
CHECKED BY: P. NELSON
SCALE: NO SCALE
DATE: 5-2000

F.A.P. NO.
S.H.A. NO.
COUNTY: BALTIMORE
LOG MILE:

TS NO.
936B-GI-X10
T.I.M.S. NO.
D-115

SHEET NO.
OF